

U.S. Patent Application Serial No. 10/578,335  
Response filed April 5, 2010  
Reply to OA dated January 7, 2010

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claim 1 (Currently Amended):** A content recording apparatus, comprising:

an outputter which outputs outputting means for outputting a content which expresses a continuous change with time and has a reference position assigned at an intermittent timing;  
a first recorder which records recording means for recording the content output by said outputting means onto a recording medium;

a first creator which creates creating means for creating position information pointing a plurality of positions on the content output by said outputter outputting means in parallel with an output operation of said outputter outputting means; and

a second recorder which records recording means for recording the position information created by said first creator creating means onto said recording medium every time that said reference position is specified.

**Claim 2 (Currently Amended):** A content recording apparatus according to claim 1, further comprising a memory which means for temporarily stores storing the content output by said outputter outputting means, wherein said first recorder recording means records the content stored in said memory means onto said recording medium in synchronous with recording by said second recorder recording means.

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**Claim 3 (Original):** A content recording apparatus according to claim 1, wherein said content is a motion image content encoded by an MPEG format, and said reference position is a position of a frame on which an intra-encoding is performed.

**Claim 4 (Original):** A content recording apparatus according to claim 3, wherein said plurality of positions includes said reference position and a non-reference position, and said non-reference position is a position of a frame on which an inter-encoding is performed.

**Claim 5 (Currently Amended):** A content recording apparatus according to claim 1, wherein said first recorder recording means stores said content in a first file formed in said recording medium, and said second recorder recording means stores said position information in a second file formed in said recording medium, and further comprising

~~said content recording apparatus further comprises a connector which connects connecting means for connecting said first file and said second file with each other.~~

**Claim 6 (Currently Amended):** A content recording apparatus according to claim 5, further comprising:

a second creator which creates creating means for creating an index content corresponding to said reference position; and

a third recorder which records recording means for recording the index content created by said

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second creator ~~creating means~~ onto said recording medium.

**Claim 7 (Currently Amended):** A content recording apparatus according to claim 6, wherein said third recorder recording means includes a storage which stores ~~storing means for~~ storing said index content in a third file formed in said recording medium, and a linker which links ~~linking means for linking~~ said third file with said connection file.

**Claim 8 (Currently Amended):** A content recording apparatus according to claim 7, wherein said linker linking means assigns an identifying number the same as said connection file to said third file.

**Claim 9 (Previously Presented):** video camera having a content recording apparatus according to claim 1.

**Claim 10 (Previously Presented):** A video camera having a content recording apparatus according to claim 2.

**Claim 11 (Previously Presented):** A video camera having a content recording apparatus according to claim 3.

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**Claim 12 (Previously Presented):** A video camera having a content recording apparatus according to claim 4.

**Claim 13 (Previously Presented):** A video camera having a content recording apparatus according to claim 5.

**Claim 14 (Previously Presented):** A video camera having a content recording apparatus according to claim 6.

**Claim 15 (Previously Presented):** A video camera having a content recording apparatus according to claim 7.

**Claim 16 (Previously Presented):** A video camera having a content recording apparatus according to claim 8.